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# ASSIGNMENT 8

ITRI 623

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## Introduction

For this assignment we were asked to present on the question: “Do we have to worry about security when we move our data to the Microsoft Azure platform?”. The presentation should be between 5 and 7 minutes long.

Topics that will be discussed:

- What is Microsoft Azure? (Azure, 2021) and (Acronis, 2021)
- Moving your data to Microsoft Azure (Azure, 2020)
- Cloud Migration Types (Mutune, 2021)
- Security concerns (Mutune, 2021)
- Do you need to worry? (Fear, 2020)



The presentation and video of presenting will be attached in the same zip file as this document.

## My notes for presenting:

### Slide 1: Introduction

Hi, my name is Enrico, this is study unit 7 of ITRI 623.

### Slide 2: Layout

- First is What is Microsoft Azure
- Moving data to Azure
- Cloud migration types
- Security concerns
- And do you need to worry

### Slide 3: What is Microsoft Azure?

- 200 products and cloud services

- Bring more solutions to life
- The capability to manage your applications on the cloud
- Trust in the cloud

#### Slide 4: Cloud platforms

- Azure 28%
- Amazon Web Service 22%
- Google 15%
- IBM Cloud 10%

#### Slide 5: Moving data to Azure

- Make use of encryption
- Important to financial institutions that have sensitive data
- Secure during cloud migration
- Protect during transit, at rest and in use
- Evolving economy more data driven
- Capital markets, banking, and insurance trust azure
- Right set of tools to secure your data

#### Slide 6: Cloud Migration Types

- **On-premises**
- From local to the cloud
- **Cloud-to-cloud**
- From one cloud to the other, but is very expensive
- **Reverse cloud**
- **Off the cloud to local IT environment**

#### Slide 7: Security Concerns

- Data exposure during migration process
- Target insiders to steal in the cloud storage
- Misconfiguration grant the wrong people permission
- Insider's threat employees make mistakes
- Unintendedly share files that are confident

#### Slide 8: More security concerns

- Lack of resources
- Budget required to buy the tools
- Demand skilled workforce
- Regularity compliance
- Changes to applications
- Most fall behind to implement controls
- Shortcutting security
- As easy as clicking a link

#### Slide 9: Do you have to worry?

- Between you, the customer and database provider
- All-access attempts are monitored
- Customer data ownership

- Azure does not snoop through your data
- Or claim ownership

#### Slide 10: Azure security requirements

- Network security
- Authorization
- Global replication
- Regional Failover
- And so on

#### Slide 11: Thank you

- Final thought
- I trust Azure

### Reference List

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